Application Serial No. 09/856,283                    PATENT
Reply to Office Action of May 13, 2005          Docket: CU-2556

## REMARKS

In the Office Action, dated May 13, 2005, the Examiner states that Claims 1-13 are pending and Claims 1-13 are rejected. By the present Amendment, Applicant amends the claims.

In the Office Action, Claims 4, 7 and 10 are rejected under 35 U.S.C. §102(e) as anticipated by WO 98/32260 (Mapson). Claims 1-3, 5, 6, 8, 9 and 11-13 are rejected under 35 U.S.C. §103(a) as being unpatentable over Mapson in view of US 5,828,851 (Nixon et al.). The Applicant has amended the claims and considers the amendments to overcome the rejections.

Claim 4 as amended recites, among other features...*extracting one or more of a device identifier, an application identifier and an application value from a received secure message having a secure message block, said one or more of the device identifier, the application identifier, and the application value being outside the secure message block...generating, according to a second process using the device identifier and the application identifier a secret value known only to the originating device and the recipient device, combining the message value with the secret value, to establish a secret message value;...applying the secret message value and the secure message block to a decoding process to form the securely transmitted message, this message having been securely transmitted by the originating device.*

With respect to the *application value*, Claim 4 as amended recites that the *application value indexes said message.* This is supported in the description which states that for "...auditing and indexing purposes an application-unique value 412 is assigned to each message transmitted" (page 13 lines 20-21).

Mapson does not disclose a parameter used for auditing and indexing functions. Mapson only discloses a sequentially incremented device transaction number T1 (Fig. 2, page 8 lines 30-31). It is noted that T1 is <u>inside</u> the encrypted TC1 Certificate Block and not *outside the secure message block* as recited in Claim 4 as amended.

In the present application, *secret values are <u>known</u> only to the originating device* and the recipient device, and in one arrangement are stored in the originating device and the recipient device (page 11 lines 8-11). The feature of *<u>generating,</u> according to a second process...a secret value <u>known only</u> to the originating device*

11

*and the recipient device...*clearly means that the *secret value* is known to the originating device and the recipient device, and does not need to be sent from the originating device to the recipient device.

From the feature *combining the message value with the secret value, to establish a secret message value;...applying the secret message value and the secure message block to a decoding process to form the securely transmitted message* it is evident that the *secret value* in Claim 4 as amended plays a direct role in recovering the *securely transmitted message.*

Mapson does not disclose a *secret value known only to the originating device and the recipient device...*used to recover the *securely transmitted message.* In particular, the Device ID and the random generator seed R1 are <u>sent</u> from the user to the merchant (see Figs. 3 and 4).

In conclusion, Mapson does not disclose...*the application value being outside the secure message block...or...generating, according to a second process using the device identifier and the application identifier a secret value known only to the originating device and the recipient device or...combining the message value with the secret value, to establish a secret message value;...applying the secret message value and the secure message block to a decoding process to form the securely transmitted message.* Accordingly, Claim 4 as amended is, for at least the reasons noted, not anticipated or obvious over Mapson.

Claim 7 and 10 have been deleted and redrafted as new Claims 18 and 19 respectively. These claims recite the same or equivalent features to those of Claim 4 as amended. Accordingly, these claims are also, for at least the reasons noted, Are not anticipated or obvious over Mapson.

The Office Action concedes that Mapson does not explicitly disclose combining an address with the device identifier etc. and refers to Nixon in this regard.

Claim 1 as amended recites, among other features,...*a message being associated with a particular one of a plurality of applications running on the originating device...determining...an application identifier for each of the plurality of applications thereby forming a plurality of device-identifier/application identifier pairs; (b) associating a secret value with each device-identifier/application-identifier pair; (c) wherein each said secret value is known to the originating device and to a said*

12

Application Serial No. 09/856,283                    PATENT
Reply to Office Action of May 13, 2005               Docket: CU-2556

*one of the recipient devices...forming a secure message for transmission, said
secure message being decodable, dependent upon the device identifier the
particular application identifier and the application value which are outside the
received secure message block, by a said recipient device to which said secret value
associated with the particular application identifier is known, said recipient device
thereby recovering the message...*

    As noted, Mapson does not disclose (or suggest) *the application value being
outside the secure message block...or generating, according to a second process
using the device identifier and the application identifier a secret value known only to
the originating device and the recipient device or combining the message value
with the secret value, to establish a secret message value; applying the secret
message value and the secure message block to a decoding process to form the
securely transmitted message.*

    Mapson describes an arrangement in which only a single application is used.
Thus, for example, Mapson states that the customer initiates purchase software
between the merchant site and the home PC (page 5 lines 3-4). Mapson does not
disclose or suggest...*a message being associated with a particular one of a plurality
of applications running on the originating device...or determining...an application
identifier for each of the plurality of applications thereby forming a plurality of device-
identifier/application identifier pairs; or (b) associating a secret value with each
device-identifier/application-identifier pair.*

    The aspect of addressing has been deleted from Claim 1.

    Establishment of a *prima facie* case of obviousness requires that the prior art
references when combined must teach or suggest all the claim limitations. As noted,
Mapson does not disclose the features set out above. Nixon was referred to in
regard to the aspect of combining an address with the device identifier, which has
not been deleted from Claim 1 as amended. Even presupposing that Mapson were
to be modified by incorporating the address combination aspect of Nixon, the
combination does not disclose or suggest the...*a message being associated with a
particular one of a plurality of applications running on the originating device...or
determining...an application identifier for each of the plurality of applications thereby
forming a plurality of device-identifier/application identifier pairs; or (b) associating a
secret value with each device-identifier/application-identifier pair; (c) or wherein each*

13

Application Serial No. 09/856,283          PATENT
Reply to Office Action of May 13, 2005     Docket: CU-2556

*said secret value is known to the originating device and to a said one of the recipient*
*devices...or forming a secure message for transmission, said secure message being*
*decodable, dependent upon the device identifier the particular application identifier*
*and the application value which are outside the received secure message block, or a*
*said recipient device to which said secret value associated with the particular*
*application identifier is known, said recipient device thereby recovering the*
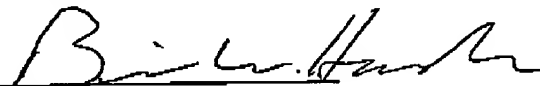*message...*

It is thus submitted, for at least the reasons noted, that Claim 1 as amended is
patentable over Mapson and Nixon whether the references are considered alone or
in combination.

The other claims that are rejected have been amended or deleted and
redrafted to recite the same or equivalent features to those of Claim 1 as amended.
It is thus submitted, for at least the reasons noted, that these claims as well are
patentable over Mapson and Nixon whether the references are considered alone or
in combination.

In light of the foregoing response, all the outstanding objections and rejections
are considered overcome. Applicant respectfully submits that this application should
now be in condition for allowance and respectfully requests favorable consideration.

Respectfully submitted,

August 15, 2005
Date

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14